



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Matthew Dunn

SERIAL NO.: 10/091,115

FILED: 3/5/02

FOR: Improved Heat Exchanger

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

AMENDMENT

Sir:

In response to the Office Action Dated October 20, 2003, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.

Amendments to the Drawings begin on page 8 of this paper.

Remarks/Arguments begin on page 10 of this paper.

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Please replace paragraph 2 on Page 5 with the following amended paragraph:

Brief Description of the Drawings.

Figure 1 is an example of a prior art conventional multi-passage counterflow heat exchanger.

Figure 2 is a representation of a single passage counterflow heat exchanger of the present invention.

Figure 3 shows a cross section of a prior art, multi-stage (4 stage) counterflow heat exchanger.

Figure 4 shows a cross section of the single-stage counterflow heat exchanger of the present invention.

Figure 5 shows the flow of air in the counterflow heat exchanger of Figures 2 and 4.

Figure 6 shows the cross section of the heat exchanger of Figure 5 taken along A-A (Exchange air flow).

Figure 7 shows the cross section of the heat exchanger of Figure 5 taken along B-B (Conditioned air flow).

Figure 8 shows an example of an alternative embodiment of the heat exchanger of Figure 5.

Figure 9 shows a cross section of the heat exchanger of Figure 4.

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